

**AFRL-IF-RS-TN-2004-2**  
**Final Technical Report**  
**October 2004**



# **HOMELAND SECURITY AND INTELLECTUAL CAPITAL SUPPORT**

**VII, Incorporated**

*APPROVED FOR PUBLIC RELEASE; DISTRIBUTION UNLIMITED.*

**AIR FORCE RESEARCH LABORATORY  
INFORMATION DIRECTORATE  
ROME RESEARCH SITE  
ROME, NEW YORK**

## **STINFO FINAL REPORT**

This report has been reviewed by the Air Force Research Laboratory, Information Directorate, Public Affairs Office (IFOIPA) and is releasable to the National Technical Information Service (NTIS). At NTIS it will be releasable to the general public, including foreign nations.

AFRL-IF-RS-TN-2004-2 has been reviewed and is approved for publication

APPROVED:           /s/

WILLIAM J. MAXEY  
Project Engineer

FOR THE DIRECTOR:           /s/

WARREN H. DEBANY, JR., Technical Advisor  
Information Grid Division  
Information Directorate

<b>REPORT DOCUMENTATION PAGE</b>			Form Approved OMB No. 074-0188	
Public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing this collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503				
<b>1. AGENCY USE ONLY (Leave blank)</b>		<b>2. REPORT DATE</b> OCTOBER 2004	<b>3. REPORT TYPE AND DATES COVERED</b> Final Mar 03 – Sep 03	
<b>4. TITLE AND SUBTITLE</b> HOMELAND SECURITY AND INTELLECTUAL CAPITAL SUPPORT			<b>5. FUNDING NUMBERS</b> C - F30602-02-C-0062 PE - 62702F PR - AIPT TA - 00 WU - 12	
<b>6. AUTHOR(S)</b> William J. Maxey				
<b>7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES)</b> VII, Incorporated 1645 White Pine Drive Vienna Virginia 22182-1964			<b>8. PERFORMING ORGANIZATION REPORT NUMBER</b>  N/A	
<b>9. SPONSORING / MONITORING AGENCY NAME(S) AND ADDRESS(ES)</b> Air Force Research Laboratory/IFGB 525 Brooks Road Rome New York 13441-4505			<b>10. SPONSORING / MONITORING AGENCY REPORT NUMBER</b>  AFRL-IF-RS-TN-2004-2	
<b>11. SUPPLEMENTARY NOTES</b>  AFRL Project Engineer: William J. Maxey/IFGB/(315) 330-3617/ William.Maxey@rl.af.mil				
<b>12a. DISTRIBUTION / AVAILABILITY STATEMENT</b> APPROVED FOR PUBLIC RELEASE; DISTRIBUTION UNLIMITED.				<b>12b. DISTRIBUTION CODE</b>
<b>13. ABSTRACT (Maximum 200 Words)</b> This effort sought to expand development of intellectual capital products for the USAF and other government organizations for application to Homeland Security and Information Operations. This contract was canceled in early FY 2004 due to the contractor's admission that his product was not satisfactory to warrant continuation of this effort. He was paid for services rendered and the effort was closed out with no reportable accomplishments for publication.				
<b>14. SUBJECT TERMS</b> Homeland Security, Information Operations, Intellectual Capital Products				<b>15. NUMBER OF PAGES</b> 6
				<b>16. PRICE CODE</b>
<b>17. SECURITY CLASSIFICATION OF REPORT</b>  UNCLASSIFIED	<b>18. SECURITY CLASSIFICATION OF THIS PAGE</b>  UNCLASSIFIED	<b>19. SECURITY CLASSIFICATION OF ABSTRACT</b>  UNCLASSIFIED	<b>20. LIMITATION OF ABSTRACT</b>  UL	

## TABLE OF CONTENTS

1.0 Objective	1
2.0 Scope	1
3.0 Initiatives	<b>1</b>
4.0 Accomplishments	1
5.0 Reasons for Cancellation	2

- 1.0 **OBJECTIVE:** This effort has an objective to expand on the development of intellectual capital products (strategic plans, studies, presentations, architectures, Concepts of operations) for the USAF and other military and government organizations. This objective included the development of this technology for Homeland Security, Information Operations and C4ISR.
- 2.0 **SCOPE:** The scope of this work included providing support to the Air Force Research Laboratory/Information Directorate (AFRL/IF) through the evaluation and enhancement of intellectual capital development as relates to the areas of Homeland Security and related strategic planning, in order to develop an overall Homeland Security Strategy for AFRL/IF. The Homeland Security Strategy in turn developed would then focus on the identification and development of major strategic initiatives that would potentially generate new concepts for the technical implementation of the overall Homeland Security Program.
- 3.0 **INITIATIVES:** These initiatives would have included applications to the areas of Command & Control, Intelligence Indications and Warnings, Cyber Security, National Notifications Systems, Knowledge Management Systems and Interactive Information Systems.
- 4.0 **ACCOMPLISHMENTS:** Though Mr. Vollmer recognized early on (after only 30% of resource expenditure) that the originally stated goals for this effort required appreciably more funding than the total resources available, he was able to achieve some notable foundational ground work that may apply in the future to others seeking to further the institution of an overall Homeland Security Program. Mr Vollmer accomplished a network built upon "missionary work" regarding Homeland Defense for a number of organizations. This work can potentially help in future refinement and evolution of the Homeland Security Program as it incubates technically. Specifically, Mr. Vollmer worked with ACC on Anti-Terrorism

Operations Centers (ATOC) and Emergency Notification & Recall Systems (ENRS) for force protection and influence operations. This resulted in a contact with NORTHCOM for force protection applications relating to the work at ACC. Through Mr. Vollmer's briefing the White House (Frank Cuiillofo, HLS Advisor to President Bush) and FEMA officials on the National Information Notification Emergency System (NINES) concept for Homeland Security, interest has been generated. This establishes required linkage between agencies to allow for potential future establishment of intra-agency programs that will follow common objectives and goals. Mr. Vollmer has also established relations with the UK's R&D Labs on bilateral Homeland Security and the UK Defence Evaluation Research Agency (DERA), to develop major potential trans-Atlantic initiatives.

- 5.0 **REASONS FOR CANCELLATION:** Based upon VII, Inc's realization that the true goal of this effort was appreciably beyond what the resources available could provide, and the recognition by AFRL that the accomplishments provided by VII, Inc. for the resources expended were of notable present and potential value to the government, it was determined that it was in the best interests of the government to cancel this effort. This allowed for the preservation of the remaining resources (\$35,000) for use in other avenues of research which are of a maturity that would provide a more utile payoff at this time.